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09/916,516	07/30/2001	Michael L. Aigen	FS-00534 (02890034AA)	9758

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EXAMINER

ROCHE, TRENTON J

ART UNIT PAPER NUMBER

2193

DATE MAILED: 04/21/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/916,516

Applicant(s)

AIGEN, MICHAEL L.

Examiner

Trent J. Roche

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 23 December 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 15 October 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

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### **DETAILED ACTION**

1. This office action is responsive to communications filed 23 December 2004.
2. Per applicant's request, amended claims 1-13 have been entered. Claims 1-13 are now pending.
3. Claims 1-13 have been examined.

### ***Oath/Declaration***

4. The oath or declaration is defective. A new oath or declaration in compliance with 37 CFR 1.67(a) identifying this application by application number and filing date is required. See MPEP §§ 602.01 and 602.02.

The oath or declaration is defective because:

5. Applicant has not given a post office address anywhere in the application papers as required by 37 CFR 1.33(a), which was in effect at the time of filing of the oath or declaration. A statement over applicant's signature providing a complete post office address is required.
6. The Examiner acknowledges the resubmission of the Oath and Declaration by the applicant on 23 December 2004. Upon further review of the Oath and Declaration, the objection concerning 37 CFR 1.56, however, the issue regarding the lack of a required post office address still persists.

### ***Claim Rejections - 35 USC § 112***

7. In view of the applicant's amendments, the rejection of claims 1-13 under 35 U.S.C. § 112 2<sup>nd</sup> paragraph has been withdrawn.

***Claim Rejections - 35 USC § 102***

8. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

9. Claims 1-13 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent 6,591,272 to Williams.

**Per claim 1:**

Williams discloses:

- An automated method for converting tables of data in a source database to components of a target application (“an automated, expert method, system and program product that translates and transmits metadata and data from database tables...” in col. 4 lines 48-40)
- Obtaining by a computer identification of a) specified tables in said source database containing data usable in said target application (“Select the base tables from which to build distributed objects” in col. 44 lines 52-53. Further, note at least Figure 16 and the corresponding sections of the disclosure.)
- A target location for said target application (Note Figure 17, there is an option for output directory)
- An application server being used for development of said target application at said target location (“application server...” in col. 30 line 56)

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- Reading by a computer definitions of said specified tables from said source database (“reading the definitional elements of the databases to determine data types and interrelationships...Source code for the classes in then generated...” in col. 4 lines 52-66)
- Generating by a computer from said database definitions a plurality of source code files in a language of said target application, each said specified table being referenced consistently across said plurality of source code files, said plurality of source code files including object classes and deployment descriptors (“reading the definitional elements of the databases to determine data types and interrelationships...Source code for the classes in then generated...” in col. 4 lines 52-66. Further, “Ensure the object names and attribute names created by OSF are correct and reasonable for the target language (Java, C++)” in col. 44 lines 54-56.)
- Said specified tables being made accessible to a remote client by said target application being developed using said plurality of source code files (Note Figure 3, items 12 and 16)

substantially as claimed.

**Per claim 2:**

The rejection of claim 1 is incorporated, and further, Williams discloses providing a user interface to permit the user to interact with the computer application program (“An inexperienced user can, if so desired, easily select a subset of all possible objects represented by the databases through use of a simple and intuitive graphical interface” in col. 4 lines 60-62), including in said obtaining step identification of d) an Enterprise JAVA Bean Java Archive (EJB Jar) file (“Enterprise EJB Architecture. The application server invokes the appropriate class server file as defined by the Deployment Descriptor and other configuration files used by a J2EE-compliant EJB application

server” in col. 17 lines 64-67), generating said plurality of source code files in said identified target location (Note Figure 17, there is an option for output directory), said application server supporting development of Enterprise JAVA Beans (EJBs) and supporting a Java Naming and Directory Interface (JNDI) to assist with said consistent table references, said plurality of source files comprising a Data JAVA file, a Home Interface JAVA file, a Remote Interface JAVA file, a Bean JAVA file, a Primary Key JAVA file, a Persistent JAVA file, an Enterprise JAVA Bean Deployment Descriptor XML file, an Enterprise JAVA Bean Jar batch command file, a Vendor-Specific Deployment XML file, and a Vendor-Specific Build batch command file as claimed (“Enterprise EJB Architecture. The application server invokes the appropriate class server file as defined by the Deployment Descriptor and other configuration files used by a J2EE-compliant EJB application server” in col. 17 lines 64-67. Further, in col. 27, lines 64-65, “For EJB’s, XML deployment descriptors and are also generated.”)

**Per claim 3:**

The rejection of claim 2 is incorporated, and further, Williams discloses querying the database to get names of all tables related to the database, from which each of said specified tables are selected for encapsulation with an EJB; and querying the database to acquire information about fields within each of the specified tables as claimed (“OSF performs an inversion of teach database table at application build/generation time. That is, each table is read from top to bottom and each value of each column is inspected” in col. 20 lines 41-44)

**Per claims 4-13:**

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The rejection of claim 1 is incorporated, and further, claims 4-13 recite limitations as cited in claim 2. Further, Williams discloses the steps of generating the Data JAVA file, Home Interface JAVA file, Remote Interface JAVA file, Bean JAVA file, Primary Key JAVA file, Persistent JAVA file, Enterprise JAVA Bean Deployment Descriptor XML file, Enterprise JAVA Bean Jar batch command file, Vendor-Specific Deployment XML file, and Vendor-Specific Build batch command file as claimed, therefore, the Examiner interprets that all cited limitations are merely naming conventions for the above stated files. Therefore, the limitations of claims 4-13 are met by the reference.

### ***Response to Arguments***

10. Applicant's arguments filed 23 December 2004 have been fully considered but they are not persuasive.

11. Applicant's arguments fail to comply with 37 CFR 1.111(b) because they amount to a general allegation that the claims define a patentable invention without specifically pointing out how the language of the claims patentably distinguishes them from the references. Specifically, it is not described how the recited portions of Williams do not read on the required claim limitations. As was shown above, Williams discloses each and every limitation required by the claims, and as such, the rejection of claims 1-13 is proper and maintained.

***Conclusion***

12. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Trent J. Roche whose telephone number is (571) 272-3733. The examiner can normally be reached on Monday - Friday, 9:00 am - 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki can be reached on (571) 272-3719. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



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